WHAT IS CLAIMED IS:

1. A power transmission belt, in particular for a motor vehicle and presenting at least V-ribs having flat side faces and rounded ridges, wherein said ridges present a convex curvilinear profile having a mean radius of curvature greater than 1 mm and less than or equal to 1.5 mm.

2. A belt according to claim 1, wherein said range of curvature lies in the range 1.05 mm to 1.45 mm.

3. A belt according to claim 2, wherein said range of curvature lies in the range 1.1 mm to 1.3 mm, and more particularly in the range 1.15 mm to 1.25 mm.

4. A belt according to claim 1, wherein said curvilinear profile is a circle of radius equal to said radius of curvature.

5. A belt according to claim 1, wherein the length ℓ of the flat side faces measured between their connections with the bottoms of the teeth and with said ridges lies in the range 0.7 mm to 1.8 mm.

6. A belt according to claim 5, wherein the length ℓ lies in the range 0.8 mm to 1.7 mm.

7. A belt according to claim 6, wherein the length ℓ lies substantially in the range 1 mm to 1.5 mm, and more particularly in the range 1.08 mm to 1.36 mm.

8. A belt according to claim 1, wherein the height H of the ribs lies in the range 1.8 mm to 2.4 mm.

9. A belt according to claim 8, wherein the height H of the ribs lies in the range 1.9 mm to 2.3 mm, and more particularly in the range 2 mm to 2.2 mm.

10. A belt according to claim 1, wherein the radius of curvature is substantially equal to 1.15 mm, wherein the rib height H is substantially equal to 2.2 mm, and wherein the length ℓ of the flat side faces is substantially equal to 1.35 mm.

11. A belt according to claim 1, wherein the curvilinear profile is tangential to the side faces at its points of connection with said side faces.

12. A belt according to claim 1, the belt being of the K type.

13. A belt according to claim 1, wherein the V-ribs are obtained by molding.

14. A belt according to claim 1, wherein at least the ridges of the V-ribs are machined.